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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Yuan-Ping Pang

Art Unit : 1631

Serial No. : 09/595,650

Examiner : M. Sheinberg

Filed : June 16, 2000

Title : MOLECULAR MODELING FOR METALLOPROTEINS

Assistant Commissioner for Patents
Washington, D.C. 20231

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RESPONSE AND AMENDMENT

This communication is responsive to the Office Action mailed August 16, 2001 (paper No. 8, hereafter referred to as "OA") and the telephonic interview held November 15, 2001.

Applicant wishes to thank Examiner Sheinberg and Examiner Marshall for agreeing to conduct a telephonic interview. Applicant believes that agreement was reached during the telephonic interview concerning some of the Examiner's rejections. Applicant will note in the remarks

section where Applicant believes that agreement was reached. Reconsideration of the claim rejections is respectfully requested in view of the following amendments and remarks.

02/22/2002 TPLUNKET 00000009 061050 09595650

01 FC:202 126.00 CH
02 FC:203 180.00 CH

Amendments

Please amend claims 37 to 54, and add claims 55 to 72 as follows:

37. (amended) A computer readable medium having data structures stored thereon, comprising a data structure to store a simulated metal ion for use in a molecular dynamics simulation comprising a center atom having a van der Waals radius greater than zero covalently linked to one or more dummy atoms having a van der Waals radius of about zero, wherein the overall charge of said metal ion is evenly

Adjustment date: 06/07/2002 SDIRETA1
02/22/2002 TPLUNKET 00000009 061050 09595650
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Adjustment date: 06/07/2002 SDIRETA2
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